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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Application No. : 10/564,182  
Applicants : DOCLO, ET AL.  
Filed : JANUARY 11, 2006  
Title : METHOD AND DEVICE FOR NOISE REDUCTION

Art Unit : TO BE ASSIGNED  
Examiner : TO BE ASSIGNED

Atty Docket No. : COCH-0185-US1

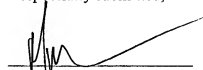
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified communication(s) is (are) submitted in the above-captioned application or proceeding:

- ☒ Information Disclosure Statement (2 pages)
- ☒ IDS Patent Listing Form SB08a (1 page) w/1 foreign patent application
- ☒ IDS Non-Patent Listing Form SBO8b (1 page) w/5 non-patent articles and Search Report

Respectfully submitted,

  
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703-591-2664

March 10, 2006



**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(d), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO/SB/08. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

**CERTIFICATION**

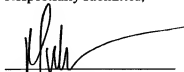
This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) before the first office action on the merits, or (iii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iv) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-COCH-0185-US1**.

Application Number: 10/564,182

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael G. Verga', is written over a horizontal line.

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March 2, 2006

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Applicant Number	10/564,182
Filing Date	January 11, 2006
First Named Inventor	DOCLO, Simon
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	COCH-0185-US1

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Examiner's Signature	/Disier Paul/	Date Considered	08/27/2008
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

**Complete If Known**

Applicant Number	10/564,182
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First Named Inventor	DOCLO, Simon
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	COCH-0185-US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/DP/		NEO, ET AL., "Robust microphone arrays using subband adaptive filters," <i>IEE Proceedings: Vision, Image and Signal Processing, Institution of Electrical Engineers</i> , GB, Vol. 149, No. 1, February 21, 2002, pages 17-25, ISSN: 1350-245X, page 17-21. Proceedings of the 2003 International Workshop on Acoustic Echo and Noise Control, "Online!" September 8, 2003, pages 147-150, "Spatially Pre-Processed Speech Distortion Weighted Multi-Channel Wiener Filtering for Noise Reduction in Hearing Aids."	
		OMOLOGO, M., ET AL. "Environmental conditions and acoustic transduction in hands-free speech recognition" <i>Speech Communication</i> , Amsterdam, NL., Vol. 25, No. 1-3, August 1, 1998, pages 76-95, ISSN: 0167-6393.	
		LIN, L., ET AL., "Speech denoising using perceptual modification of Wiener filtering" <i>Electronics Letters, IEE Stevenage, GB</i> , Vol. 38, No. 23, November 7, 2002, pages 1486-1487, ISSN: 0013-5194.	
		LINK, M. J., ET AL. "Robust real-time constrained hearing aid arrays," <i>Applications of Signal Processing to Audio and Acoustics, 1993, Final Program and Paper Summaries, 1993. IEE Workshop on New Paltz, NY, USA, 17-20 Oct., 1993, New York NY, USA, IEEE, October 17, 1993, pages 81-84, ISBN: 0-7803-2076-6.</i>	
		International Search Report, PCT/BE2004/000103	

Examiner's  
Signature

/Disler Paul/

Date Considered

08/27/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation mark (optional). 2 Applicant to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete the form or your suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Department of Commerce, P.O. Box 338, Alexandria, VA 22304-0338. Do NOT send FDS or COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22303-1450.

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